

# XP-002135407

AN - 1998-245700 [22]

AP - JP19970161578 19970618

CPY - SONY

DC - A97 G02

DR - 0945-U 1704-U

FS - CPI

IC - C09D11/00

MC - A12-D05B A12-W07D G02-A04A G05-F03

PA - (SONY ) SONY CORP

PN - JP10077427 A 19980324 DW199822 C09D11/00 008pp

PR - JP19960180579 19960710

XA - C1998-076801

XIC - C09D-011/00

AB - J10077427 A new water base ink composition is obtained by dispersing a coloured complex substituted with at least part of intercalated ions of smectite being a clay intercalation compound with either a cationic dye or a basic direct dye in the water containing a wetting agent and a penetrating agent. Also claimed is (a) a water base ink composition obtained by dispersing a coloured complex substituted with at least part of intercalated ions of hydrotalcite being a clay intercalation compound with either an anionic dye or an acid dye in the water containing a wetting agent or a penetrating agent; (b) the above water base ink composition comprising a surfactant besides and (c) the above water base ink composition comprising a viscosity depressant besides.

- USE - The water base ink compsn. is used for ink-jet recording, writing implements, printing in general, etc.

- ADVANTAGE - Using the water base ink can prevent clogging at the discharge nozzle and the increase in the ink viscosity, and it can obtain the good dischargeability, and can dissolve or reduce the problem on bleeding of characters and images formed on the plain paper, not to speak of the exclusive recording paper, or it can dissolve or reduce the water resistance problem. Moreover, using hydrotalcite as carrier for coloured complex can improve the light resistance.

- (Dwg.0/0)

IW - WATER BASE INK COMPOSITION COLOUR COMPLEX COMPRISE DISPERSE COLOUR COMPLEX SUBSTITUTE PART INTERCALATED ION SMECTITE CLAY INTERCALATED COMPOUND CATION DYE BASIC DIRECT DYE

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NC - 001

OPD - 1996-07-10

ORD - 1998-03-24

PAW - (SONY ) SONY CORP

TI - Water base ink composition and coloured complex - comprises dispersing a coloured complex substituted with at least part of intercalated ions of smectite being a clay intercalation compound with either a cationic dye or a basic direct dye

A01 - [001] 018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73 D82 F47 ; H0000 ; P0055 ; P8004 P0975 P0964 D01 D10 D11 D50 D82 F34 ; M9999 M2153-R

; M9999 M2200 ;  
- [002] 018 ; R00351 G1558 D01 D23 D22 D31 D42 D50 D73 D82 F47 ;  
R00370 G1558 D01 D11 D10 D23 D22 D31 D42 D50 D73 D83 F47 ; H0022  
H0011 ; P0055 ; P0975-R P0964 F34 D01 D10 ; M9999 M2153-R ; M9999  
M2200 ;  
- [003] 018 ; ND01 ; Q9999 Q8786 Q8775 ; Q9999 Q8797 Q8775 ; Q9999  
Q8242 Q8173 ;  
- [004] 018 ; Q9999 Q9110 ;  
A02 - [001] 018 ; G0635 G0022 D01 D12 D10 D23 D22 D31 D41 D51 D53 D58 D75  
D86 F71 ; H0000 ; S9999 S1616 S1605 ;  
- [002] 018 ; ND01 ; Q9999 Q8786 Q8775 ; Q9999 Q8797 Q8775 ; Q9999  
Q8242 Q8173 ;